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SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date 6/24/05 Serial # 10/657,867 Priority Application Date _____Your Name M. H. Harris Examiner # _____AU 2829 Phone 272-1838 Room 5A30In what format would you like your results? Paper is the default. PAPER DISK EMAILIf submitting more than one search, please prioritize in order of need. need before 7/20

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case? 06-27-05 10:50:50 IN

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What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. _____

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What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.Claims 1-10, 21-28Problem: see pages 1-2
Solution: " " 2-5Focus on claims 21-28. ~~2002/0058388~~~~2002/0058388~~US 2002/0058388Claims 5/6/05

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Type of Search

Vendors

Searcher: Boyd P. Resonance Structure (#) _____Searcher Phone: 22541 Bibliographic ☒

Searcher Location: STIC-EIC2800, JEF-4B68 Litigation _____

Date Searcher Picked Up: 07-14-05 Fulltext _____Date Completed: 07-14-05 Patent Family _____Searcher Prep/Rev Time: 40 Other _____

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240

Set	Items	Description
S1	44757	AU= (PARK K? OR PARK, K? OR YANG B? OR YANG, B? OR RYUM B? OR RYUM, B? OR HAN T? OR HAN, T? OR LEE S? OR LEE, S? OR CHO - D? OR CHO, D?)
S2	87195	BIPOLAR? OR BI()POLAR? OR HBT? ? OR BJT? ?
S3	204	S1 AND S2
S4	207793	FIRST(2N) (CONDUCT?????? OR BASE) OR P()TYPE? OR PTYPE
S5	195496	SECOND(2N) (CONDUCT?????? OR BASE) OR N()TYPE? OR NTYPE? ?
S6	39	S3 AND S4 AND S5
S7	20858	EMITTER(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR P- ORTION? ? OR SEGMENT?)
S8	17	S6 AND S7
S9	17	IDPAT (sorted in duplicate/non-duplicate order)
S10	15	IDPAT (primary/non-duplicate records only)
S11	141831	IC = (H01L-027/06 OR H01L-029/08 OR H01L-021/824 OR H01L-0- 29/73 OR H01L-029/737 OR H01L-031 OR H01L-021/331 OR H01L-029- /732 OR H01L-027/082 OR H01L-029/73)
S12	18482	MC = (L04-C11C OR L04-E01D OR U11-C05F2A OR U12-D01A OR U1- 2-E02 OR U11-C18A2 OR U12-D01A)
S13	3935	S2 AND S4 AND S5 AND S7
S14	2373	S13 AND (S11 OR S12)
S15	14	S14 AND S1
S16	2	S15 NOT S10
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File 344:Chinese Patents Abs Aug 1985-2005/May (c) 2005 European Patent Office		
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SS Results

1	1	(1) ..FAM KR2002057461/PN
2	1	..CITB KR2002057461/PN
3	1	..CITF KR2002057461/PN

Search statement 4

Set	Items	Description
S1	268193	BIPOLAR? OR BI()POLAR? OR HBT? ? OR BJT? ? OR HPT? ?
S2	824187	TRANSISTOR? ? OR LOGIC()GATE?
S3	284522	FIRST?(2N) (CONDUCT?????? OR BASE OR WELL? ?) OR P()TYPE? OR PTYPE
S4	19751	COLLECTOR?(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR PORTION? ? OR SEGMENT?)
S5	289320	SECOND?(2N) (CONDUCT?????? OR BASE OR WELL? ?) OR N()TYPE? - OR NTYPE? ?
S6	3100594	SILICON OR SI OR SIGE OR SILICON()GERMANIUM?
S7	21311	EMITTER(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR PORTION? ? OR SEGMENT?)
S8	197783	INSULAT?(2N)LAYER?
S9	124899	S1 AND S2
S10	5851	S9 AND S3 AND S5
S11	688	S4 AND S7 AND S8
S12	195	S11 AND S10
S13	99	S6 AND S12
S14	89	S13 AND PY<=2002
S15	89	RD (unique items)
S16	49469	ISOLAT?(2N) (REGION OR SECTION? OR LAYER? ? OR PART? ? OR PORTION? ? OR SEGMENT?)
S17	15	S16 AND S15
S18	63458	S8(3N) (PLAC???? OR POSITION? OR FORM????? OR LOCAT???? OR - SITUAT? OR ARRANG?)
S19	7781	S18 AND (S3 OR S16)
S20	2237	S18(6N) (S3 OR S16)
S21	1584	S18(3N) (S3 OR S16)
S22	57109	S8(2N) (PLAC???? OR POSITION? OR FORM????? OR LOCAT???? OR - SITUAT? OR ARRANG? OR BUR???? OR EMBED????? OR SUPPRESS? OR IMPLANT? OR IM()PLANT? OR HIDDEN? OR CONCEAL?)
S23	1075	S22(2N) (S3 OR S16)
S24	49	S9 AND S23
S25	24	S24 AND (S4 OR S7)
S26	24	RD (unique items)
S27	23	S26 AND PY<=2002
S28	25	S24 NOT S26
S29	25	RD (unique items)
S30	24	S29 AND PY<=2002

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